

TECO Westinghouse

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|---------------------------|--------------------------------|--------------------------|
| ISSUED 10/05/06 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEHE | 3-PHASE INDUCTION MOTOR | CATALOG# E5008 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 500 | 373 | 8 | 5810B | 460 | 60 | 40°C | F | B | CONT. | 1.15 |

TYPICAL PERFORMANCE

| FULL LOAD RPM | EFFICIENCY | | | | POWER FACTOR | | | MAXIMUM POWER FACTOR CORRECTION |
|---------------|-------------|-------------|-----------|-----------|--------------|-----------|-----------|---------------------------------|
| | FULL LOAD | | 3/4 LOAD | 1/2 LOAD | F. L. | 3/4 LOAD | 1/2 LOAD | |
| | MIN. % | NOM. % | % | % | % | % | % | |
| 890 | 94.1 | 95.2 | 95 | 94 | 82.5 | 80 | 71 | 85 KVAR |

CURRENTS

| NO LOAD | FULL LOAD | LOCKED ROTOR | NEMA KVA CODE LETTER |
|------------|------------|--------------|----------------------|
| 107 | 596 | 3625 | G |

TORQUE

INERTIA

ACCEL TIME

| FULL LOAD lb-ft | LOCKED ROTOR %FLT | PULL UP %FLT | BREAK DOWN %FLT | ROTOR WR ² lb-ft ² | NEMA LOAD WK ² lb-ft ² | MAX ALLOWABLE WK ² lb-ft ² | NEMA LOAD WK ² Sec | MAX ALLOWABLE WK ² Sec |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 2949 | 90 | 72 | 200 | 625 | 10400 | 20800 | 7.37 | 14.31 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | 85 |
|-----------|-----------|----------|----------|----|
| 28 | 18 | 2 | 1 | |

APPROVED:

M. PRATER

DRAWING NO.

3A057E5008R

REVISION **0**